eint date: 02/01/2008 FEB 0 1 2008 B

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

itute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary) Sheet 1 of la

	inpiete ii raiowii
Application Number	10/544249
Filing Date	08/02/2005
First Named Inventor	BHAGWAGAR
Art Unit	
Examiner Name	
Attorney Docket Number	DC5080PCT1

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 2005/0256286	11/17/2005	Asch et al.	
		US- 2006/0111491	05/25/2006	Asch et al.	
		US- 2006/0116500	06/01/2006	Chapman et al.	
		US- 2006/0074212	04/06/2006	Chapman et al.	
		US- 2868766	01/13/1959	Johannson	
		US- 2994684	08/01/1961	Johannson	
		US- 3002951	10/03/1961	Johannson	
		US- 5545837	08/13/1996	Kobayashi	
		US- 3159662	12/01/1964	Ashby	
		US- 6797772	09/28/2004	Nakayoshi et al.	
		US- 6528584	03/04/2003	Kennedy et al.	
		US- 3372178	03/05/1968	Wu	
		US- 3410886	11/12/1968	Roy	
		US- 6353075	03/05/2002	Hupfield et al.	
		US- 6313255	11/06/2001	Rubinsztajn	
		US- 6303729	10/16/2001	Sato	
	-	<sup>US-</sup> 6300452	10/09/2001	Jukarainen et al.	
		US- 6252100	06/26/2001	Herzig	

#### FOREIGN PATENT DOCUMENTS Examiner Initials\* Foreign Patent Document Name of Patentee or Pages, Columns, Lines, Where Relevant Passages Cite No.1 Publication Date MM-DD-YYYY Applicant of Cited Document or Relevant Figures Appear Country Code<sup>3</sup> 'Number <sup>4</sup> 'Kind Code<sup>5</sup> (If known) EP0259711 03/16/1988 Hercules Incorporated EP0416471 03/13/1991 Dow Corning Toray Silicone EP0464706 01/08/1992 Toshiba Silicone Co., LTD. Hercules Incorporated 06/08/1994 EP0600512 EP0979837 02/16/2000 General Electric Company

04/27/2009 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

/Kuo Liang Peng/

Signature

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Considered

Receipt date: 02/01/2008 1

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to re		ation unless it contains a valid OMB control number.
Substitute for form 1449A/PTO	C	omplete if Known
	Application Number	10/544249
INFORMATION DISCLOSURE	Filing Date	08/02/2005
STATEMENT BY APPLICANT	First Named Inventor	BHAGWAGAR
OTATEMENT BY ALT EIGHT.	Art Unit	
(Llea se many chaste se nacassary)	Examiner Name	

Attorney Docket Number | DC5080PCT1

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (F Arcown)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	╌	US- 3996195	12/07/1976	Sato et al.	
	$\vdash$	US- 4245079	01/13/1981	Matsumoto et al.	
	$\vdash$	US- 4427801	01/24/1984	Sweet	
		US- 4461867	07/24/1984	Surprenant	
		US- 4525400	06/25/1985	Surprenant	
		US- 4525566	06/25/1985	Homan et al.	
		US- 4616076	10/07/1986	Ona et al.	
		US- 6235832	05/22/2001	Deng et al.	
		US- 6184407	02/06/2001	Yoshitake et al.	
		US- 4705765	11/10/1987	Lewis	
		US- 4726964	02/23/1988	Isobe et al.	
		US- 4849491	07/18/1989	Ogawa et al.	
		US- 4900779	02/13/1990	Leibfried	
		US- 4902731	02/20/1990	Leibfried	
		US- 6177519	01/23/2001	Chung et al.	
		US- 5097054	03/17/1992	Yamamoto et al.	
		US- 5162445	11/10/1992	Powers et al.	
		US- 6160150	12/12/2000	Krahnke et al.	•

### 

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Minds Codes of USPTO Patent Occuments at www.seps.goa.gov or MPEP 901.04. 3 Enter Office that issued the document, by the who-effect code (MPO) Sandard ST.3, 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate sprible as indicated on the document under WPO Standard ST.16 if yessible. 6 Applicant is to place a check mark here if English harquage

/Kuo Liang Peng/

Translation is attached.

Examine

Signature

Sheet 2

This collection of information is required by 37 CFR 1,97 and 1,98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to proceed) an application. Conditientality is operanted by 38 U.S.C. 122 and 37 CFR 1,14. This collection is estimated to be bust to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Individual Case. Any comments and Trademark Office, U.S. Patent and Trademark Office, U.S. Popartment of Commerce, P.O. Box 1450, Alexandria, VA. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

Considered

04/27/2009

Receipt date: 02/01/2008

Approved for use through 07/31/2006. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to		emark Office; U.S. DEPARTMENT OF COMMERCE lation unless it contains a valid OMB control number.
Substitute for form 1449A/PTO	_ c	complete if Known
	Application Number	10/544249
INFORMATION DISCLOSURE	Filing Date	08/02/2005
STATEMENT BY APPLICANT	First Named Inventor	BHAGWAGAR
017(12M2(11 D1 74 1 21074))	Art Unit	
(Use as many sheets as necessary)	Examiner Name	

Sheet	3		of 6	Attorney Docket Number DC508	30PCT1
				T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	T	US- 5200543	04/06/1993	Inomata et al.	
		US- 5290841	03/01/1994	Enami et al.	
		US- 5344906	09/06/1994	Westall	
		US- 5378790	01/03/1995	Michalczyk et al.	
		US- 5412055	05/02/1995	Loo	
		US- 5426167	06/20/1995	Powers et al.	
		US- 5436308	07/25/1995	Durfee et al.	
		US- 5525696	06/11/1996	Herzig et al.	
		US- 5536803	07/16/1996	Fujiki et al.	
		US- 5545831	08/13/1996	Kaiya et al.	
		US- 5548051	08/20/1996	Michalczyk et al.	
	T	US- 5575831	11/19/1996	Yamamura et al.	
		US- 5581008	12/03/1996	Kobayashi	
		US- 5656711	08/12/1997	Fukuda et al.	
		US- 5670596	09/23/1997	Razzano et al.	
		US- 5691435	11/25/1997	Herzig et al.	
		US- 5830969	11/03/1998	Ahmed Jallouli et al.	
		US- 5883215	03/16/1999	Bischoff et al.	

## FOREIGN PATENT DOCUMENTS Foreign Patent Document Publication Date Name of Patentee or Pages, Columns, Lines, Where Relevant Passages Cite Initials\* MM-DD-YYYY Applicant of Cited Document No or Relevant Figures Appear Country Code<sup>3</sup> 'Number <sup>4</sup> 'Kind Code<sup>5</sup> (if kno

Examiner Signature	/Kuo Liang Peng/	Date Considered	04/27/2009	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

04/27/2009

Considered

Receipt date: 02/01/2008

Examiner

Signature

Under the Paperwork Reduction Act of 1995, no persons are required  Substitute for form 1449A/PTO	U.S. Patent and Trader to respond to a collection of informat	oved for use through 07/31/2005. OMB 0951-0031 mark Office; U.S. DEPARTMENT OF COMMERCE tion unless it contains a valid OMB control number. mplete if Known
	Application Number	10/544249
INFORMATION DISCLOSURE	Filing Date	08/02/2005
STATEMENT BY APPLICANT	First Named Inventor	BHAGWAGAR
	Art Unit	
(Use as many sheets as necessary)	Examiner Name	
Sheet 4 of 6	Attorney Docket Number	DC5080PCT1

			U. S. PATENT		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (F known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5985462	11/16/1999	Herzig et al.	
		US- 6127502	10/03/2000	Krahnke et al.	
		US- 6093782	07/25/2000	Herzig et al.	
		US-			
		US-	•		
		US-			
		US-			
		US-			
-		US-			
		US-			

#### FOREIGN PATENT DOCUMENTS Cite Foreign Patent Document **Publication Date** Name of Patentee or Pages, Columns, Lines, Examine MM-DD-YYYY Where Relevant Passages Initials No Applicant of Cited Document or Relevant Figures Appear Country Code<sup>3</sup> 'Number <sup>4</sup> 'Kind Code<sup>5</sup> (if known)

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and no considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

/Kuo Liang Peng/

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Receipt date: 02/01/2008

Approved for use through 06/30/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for	form 1449B/PTO				Complete If Known
				Application Number	10/544249
INFOF	RMATION DI	SCLO	SURE	Filing Date	08/02/2005
STATEMENT BY APPLICANT			CANT	First Named Inventor	BHAGWAGAR
	(Use as many sheets as necessary)			Art Unit	
				Examiner Name	-1.10
Sheet	5	of	6	Attorney Docket Number	DC5080PCT1

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Kurlan et al., Novel Cyclosiloxane-Based Networks, Polymer Preprints 2003, 44(1), pages 33-34.	
		Kurian et al., Novel Tricomponent Membranes Containing Poly(Ethylene Glycol)/Poly (Pentamethylcyclopentasioxano) Poly (Dimethylusioxane) Domains', Journal of Polynmer Science: Part A: Polymer Chemistry, vol. 40, 3939-3102 (2002).	
		Backer, M., et al.: Si Chemical Shift Tensors of Silyl Silicate Cages, Solid State Nuclear Magnetic Resonance, Netherlands, Vol. 9, No. 2-4, December 1997 (1997-12), pages 241-255.	
		Koyava N. A., et al.: Synthesis of Organocyclosiloxanes with a Predetermined Arrangement of Functional Groups on the Silicon Atoms, Journal of General Chemistry of the USSR, Vol. 50, No. 8, 1980, Pages 1461-5.	
		Sokolov, N. N., et al.: Organocyclosiloxanes I. Methylchilorocyclossiloxanes, Journal of General Chemistry of the USSR, Vol. 26, 1956, Pages 1051-3.	
		Sokolov, N. N., et al.: Organocyclosilioxanes II. Methylchlorocyclossiloxanes, Journal of General Chemistry of the USSR, Vol. 26, 1956, Pages 2545-7.	
		Sakiyama, M., et al.: The Selective Halogenation of Methylhydropolysiloxanes: Syntheses of Methylhalopolysiloxanes and Their Derivatives, Bulletin of the Chemical Society of Japan, Vol. 38, No. 12, 1965, Pages 2182-5.	
		Andrianov, K. A., et al.: Substitution Reactions in Organocyclosiloxanes Containing Functional Groups Attached to the Silicon Atom, Chemistry of Heterocyclic Compounds, Vol. 8, 1972, pages 1068-70.	
		Andrianov, K. A. et al.: Heterofunctional Condensation of Chlorosilanes with Tetra- and Hexaphenylsiloxanediols, Chemistry of Heterocyclic Compounds, vol. 8, 1972, pages 810-2.	
		Kurian et al., Synthesis And Characterization of Novel Amphiphilic Block Copolymers Di-, Tri, Multi-, and Star Blocks of PEG and PIB, Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 38, 3200-3209 (2000).	

Examiner Signature	/Kuo Liang Peng/	Date Considered	04/27/2009

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Drawline through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Againant unique cities on designation number (protecting and 18.2 Againant to place a chock mark here if English Innguage Translation is attached.

This collection of information is required by 37 CFR, 17.9 and 1.98. The information is required to obtain or retains in obtained noment by the golds which is to file (and by he USFTO) to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR, 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application from the USFTO. There will vary deponding upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Receipt date: 02/01/2008 10544248sm@Adj; 1796 Approved for use through 06/30/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Oliosi ul	e r aperwork neodocion Ac	101 1335,11	o porocia are req	and to respond to a consection of	mornador anega k contanto a rone ano	Anni or manniogr.	
	Substitute for form 1449B/PTO				Complete If Known			
					Application Number	10/544249		
	INFORMATION DISCLOSURE			SURE	Filing Date	08/02/2005		
STATEMENT BY APPLICANT			ICANT	First Named Inventor	BHAGWAGAR			
					Art Unit			
		(Use as many sheets as	necessar	y)	Examiner Name			
$\overline{}$	Sheet	6	of	6	Attorney Docket Number	DC5060PCT1		

NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), litle of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>					
		Kurian et al., Novel Tricontinuous Hydrophilio-Lipophilio-Dxyphilio Membranes: Synthesis and Characterization, Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 40, 1209-1217 (2002).						
***************************************								
			ļ					

Examiner Signature /Kuo Liang Peng/	Date Considered	04/27/2009
-------------------------------------	--------------------	------------

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

consistence, include copy of the form with next communication to apparent.

Applicant's using calation designation number optionals. Applicant is used to place a facet, mark her if English Insputage Translation is attached.

Applicant's using calation designation number optionals. Applicant is used to colorate or retain be sentently to provide the total form that the folial cale by the USF10 to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application from the USF10. The will vary depending upon the individual case. Any comments on the amount of time you require to complete his form and/or suppessions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. U.S. Department of Commerce, P.O. Spot 1450, Abstraction, V.A. 2321-1450, D.O. NOT SEND FEES OR COMPLET PORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.